UHS epoxy coating

Compset

DESCRIPTION :

Compset UHS is a solventless, high build , heavy duty epoxy coating for the protection of concrete floors and walls against chemical attack and mechanical abrasion in industrial installations. The surface finish of **Compset UHS** makes this sytem ideal for applications of hygiene and cleanliness are important. **Compset UHS** is suitable for the coating of water treatment tanks and is recommented for use in the food processing, hospital, school, automotive and marine industries.

ADVANTAGES:

- Solvent free
- High Build
- Excellent abrasion resistance
- Chemical resistant

USAGES:

- Food proccesing industry
- Education facilities
- Mining and Construction industries
- Wharehousing

APPLICATION DATA:

Solids content:	100% w/w
Mixing Ratio by volume:	3 Resin to 1 Hardener
Working time:	30 mins at 25°c Standard 30 mins at 15°c Fast grade
Minimum substrate temp	10°c
Application rate:	First coat 4 - 6m²/L Second coat 6 - 8m²/L
Film thickness:	350 - 400 µm
Recoat time @25°c	16 - 48 hours
Light traffic:	24 hours 25°c
Cure time:	7 days

APPLICATION INSTRUCTIONS:

Concrete surfaces should be clean and free of additives, curing agents and contaminates. Prepare by diamond grind, track or light shot blast to provide suitable profile.

Cement based substrates should be at least 21 days old before coating.

Test for rising damp or back water pressure before application as adhesion failure is likely to occur.

Old concrete floors prevously contaminated with fats and oils should be tested for adhesion before application of epoxy compounds.

ENGINEERING DATA:

Shore D hardness:	75
Tg DSC °c ultimate	54
Compressive strength MPa	35
Tensile strength Mpa	12
elongation %	4
Taber Abrasion 1kg 1000 cycles	
C17 µm loss	118
H22 µm loss	265
Adhesion to concrete MPa	> 1.70

TYPICAL CHEMICAL RESISTANCE: SPILLAGES

- Skydrol
- Gasolene
- Acetic Acid 5%
- Sodium Hydroxide 30%
- Vegetable oils
- Sulphuric Acid 20%
- Ammonia solution
- Jet fuel
- Organic detergents

LIMITATIONS:

High atmospheric humidity or drops in temperature around the dew point. may result in condensation on the uncured film causing changes in the film surface as a result of hydration. This effect, referred to as amine bloom, may cause loss of intercoat adhesion, and should be sanded before next coat is applied. Do not apply within 3°c of the dewpoint. Where the moisture content of the concrete exceeds 4% , a specialist epoxy primer should be used. Compset UHS will yellow on direct exposure to sunlight. If in any doubt consult qualified engineer. Please consult MSDS or technical Department for further information.